

CLAIMS

1. An oscillating piston volumetric fluid meter having a cylindrical measuring chamber (30) comprising:
  - 5 - a lateral wall (2),
  - a bottom (1) and a lid (3),
  - a lower cylinder (4) and an upper cylinder (5) having the same diameter, which is less than the diameter of said chamber,
  - 10 - an inlet orifice (7) and an outlet orifice (8) for respectively admitting fluid to and evacuating fluid from said chamber,
    - a cylindrical piston (11) disposed eccentrically and guided kinematically in said chamber and effecting an oscillatory movement in said chamber as a result of the displacement of a volume of fluid, and
    - a fixed partition (9) between said inlet orifice (7) and said outlet orifice (8), lying radially between said lateral wall (2) and said lower and upper cylinders 15 (4, 5), and lying axially between said bottom (1) and said lid (3), which volumetric meter is characterized in that it includes a vertical groove (17) extending at least partly along said lower and upper cylinders (4, 5) and in communication with one of said inlet and outlet 20 orifices (7, 8), said groove (17) being situated in the vicinity of said fixed partition (9).
  2. A volumetric meter according to claim 1 characterized in that said vertical groove (17) opens onto an enlargement (26) of one of said orifices.
  - 30 3. A volumetric meter according to claim 1 characterized in that said vertical groove (17) is tangential to said fixed partition (9).
  4. A volumetric meter according to claim 1 characterized in that said vertical groove (17) has 35 a width less than or equal to 2 mm.